Canadian Journal of Physiology and Pharmacology

Author Index Volume 84, 2006

Revue canadienne de physiologie et pharmacologie

Index des auteurs Volume 84, 2006

Abdel-Samad, D., 299, 695 Abdul Ghani, Z.D.F., 1291 Abrenica, B., 93 Acuña-Castoviejo, D., 213 Adam, A., 1107 Adams, M.A., 625 Addicks, K., 1051 Aebi, U., 499 Akhtar, K., 647 Al-Khoury, J., 431, 787 Allen, T.D., 423 Altuna, M.E., 977 Alvarez-García, Ó., 213 Amorim, J.B.O., 1003 Anand-Srivastava, M.B., 739 Ananthalakshmi, K.V.V., 203 Anastasios, S., 195 Ang, L., 77 Angelis, E., 625

Arikawa, E., 823 Arnason, J.T., 847 Aroutiounova, N., 257 Assef, M.D., 1191 Au-Yeung, K.K.W., 141 Avedanian, L., 431 Azar, Z.M., 777 Azevedo, I., 247 Baber, S.R., 1163 Babick, A., 747 Baczyk, D., 1251

Apezteguía, M.C., 765

Argirova, M.D., 1133

Bamezai, R.N.K., 647 Bandali, K., 859 Baquer, N.Z., 647 Barada, K., 1191 Barbaz, D., 287 Baroody, G., 157 Barrio, D.A., 677, 765 Bartolini, M.E., 181

Bainbridge, S.A., 953

Bata, I.R., 121 Battell, M.L., 823 Belanger, M.P., 859 Belcastro, A.N., 601 Belenkie, I., 943

Béliveau, L., 1205 Benhaddou-Andaloussi, A., 847

Bennett, A.M., 325 Bennett, S.A.L., 847 Bilski, J.J., 1011

Bkaily, G., 287, 377, 431, 787

Black, J., 867

Bloch, W., 1051 Boddy, G., 589 Bölck, B., 1051 Borowczyk, E., 1011 Borowicz, P.P., 1011 Bossolasco, M., 287, 377 Boudreau, J., 565 Bradley, T.D., 61 Breedlove, S.M., 273 Brenner, R.R., 459 Breyer, M.D., 877 Breyne, J., 1121 Brien, J.F., 893 Brixius, K., 1051 Broderick, T.L., 929 Brown, D., 867 Brum, C., 1239 Buret, A.G., 1043 Burgdorf, C., 573 Burt. A., 847 Bustamante, J.O., 347 Caballero, B., 213 Cai, Z., 887 Calderone, A., 1205 Canyon, S.J., 903 Carthy, J.M., 77

Cattáneo, E.R., 765 Cellars, L., 1301 Chagnon, M.J., 755 Chahine, M., 787, 795 Chan, F., 477

Chang, T., 1229 Charoenphandhu, N., 555, 993

Chehal, M.K., 15 Chemtob, S., 287, 377, 431, 1097

Chen, M.-F., 163 Chen, X.-Z., 923 Cheng, A., 755 Cheung, C., 823 Cheung, C.C., 77 Chin, A.C., 1043 Chiu, Y.-T., 967 Choufani, S., 431 Christ, A., 487 Citovsky, V., 333 Coonishish, J., 847 Coto-Montes, A., 213

Cox, J.L., 121 Cuerrier, A., 847 Cybulski, M., 221 Czubryt, M.P., 93 D'Annunzio, V., 265

D'Orléans-Juste, P., 431, 787

Daher, C., 157
Dai, X.-Q., 923
Damasco, M.C., 977
Daniel, E.E., 589
Dawson, J.F., 111
de Champlain, J., 21
de Gelder, V., 1021
De Léan, A., 539

De Ridder, L., 1021 De Vos, F., 1021 Della Santa Rubio, Â., 1239

Dendorfer, A., 1185 Deng, P.-Y., 163 Dent, M.R., 257 Deslauriers, Y., 221 Dhalla, N.S., 227, 747 Di Stolfo, G., 611

Diniz, Y.S., 239 Dobson, G.P., 903 Dombrowski, L., 755 Dominiak, P., 1185 Donato, M., 265

Doran, S.A., 635 Dragoni, S., 611 Drummond, S.P., 423 Dunn, R.C., 309 Duval, M., 547 Dykes, A., 867

Dykes, A., 867 Ebaid, G.M.X., 239 Elchebly, M., 755 Elimadi, A., 547 Elimban, V., 747 Enns, D.L., 601 Erickson, E.S., 309

Eslami-far, A., 913 Espira, L., 93

Etcheverry, S.B., 677, 765 Fahrenkrog, B., 279, 499 Faine, L.A., 239

Fathollahi, Y., 913
Fatimah, C.A., 1291
Faustino, R.S., 469
Febbraio, M.A., 655
Fecenkova, A., 1245
Fedwick, J.P., 1043
Feng, S., 1071
Ferrarotto, C., 221
Fiser, B., 1275
Fliegel, L., 1081
Floras, J.S., 61
Flynn, A.N., 1043

Fokin, A. Jr., 1163 Foltzer, C.J., 1191 Fonteles, M.C., 1003 Forconi, S., 611 Forrest, A., 173 Fortier, A., 287 Fortin, Y., 539 Fraser, M.-H., 847 Frassetto, S.S., 1239 Fried, M., 1313 Fultz, M.E., 867 Gabriel, C., 257 Gagnon, S., 1205 Galante, G., 589 Galhardi, C.M., 239 Gallitelli, M.F., 487 Gao, G., 5 García, J.J., 213 Garcia, R., 739 Gazova, A., 1245 Ge, C., 739 Gelpi, R.J., 265 Getova, D.P., 1133 Giacobino, J.-P., 1051 Gibb, W., 1251 Girardin, S.E., 1313 Gobeil, F., 431 Gobeil, F. Jr., 287, 377 Goldberg, J.I., 635 Gomes, D.A., 325 González, G.E., 265 Gori, T., 611 Grandbois, M., 287 Granville, D.J., 15 Grazul-Bilska, A.T., 1011 Greco, A.J., 1163 Gregor, R.D., 121 Guan, Y., 877 Gui. Y., 887 Gukasyan, H.J., 1223 Haddad, N., 157 Haddad, P.S., 547, 847 Hanan Kumar, G., 1291 Harkness, T.A.A., 451 Harris, C., 847 He, J.C., 687 Herbert, E., 795 Heveker, N., 287 Hirota, C.L., 1153 Hoffman-Goetz, L., 565 Honzikova, N., 1275 Hoseinmardi, N., 913 Howe, A.G., 29 Howland, R., 157 Hreiche, R., 1285 Hrstkova, H., 1275 Hsu, Y.-C., 967 Hu, C.-P., 163 Huang, Y.-T., 967 Inoue, T., 523 Ismair, M.G., 1313 Iyengar, R., 687 Jacques, D., 299, 431, 695, 787 Jiang, S., 579 Jiminez, M., 1051 Jira, M., 1275 Johns, T., 847

Johnson, M.L., 1011

Johnstone, D.E., 121 Joly, E., 847 Jordan, C.L., 273 Jordan, J.D., 687 Jules, F., 299 Jurgens, T.M., 803 Jurjus, A., 1191 Kadowitz, P.J., 1163 Kannan, R., 1223 Kato, T., 523 Keating, E., 247 Kedinger, M., 1191 Kemp, B.E., 655 Kennedy, C.R.J., 877 Khazzaka, M., 1239 Khoury, N., 1191 Kim, A.J., 39 Kim, K.-J., 1223 Kingdom, J., 1251 Kinobe, R.T., 893 Kinoshita, Y., 195 Klein, C., 403 Klimas, J., 1245 Kombian, S.B., 203 Kondratev D., 487 Kondratiev, T.V., 985 Kong, S.K., 477 Kono, T., 195 Kopachik, W., 273 Kostenuk, A.L., 469 Krenek, P., 1245 Krishnamra, N., 555, 993 Krogmeier, J.R., 309 Kroslakova, M., 1245 Krustev, A.D., 1133 Kucerova, D., 1245 Kullak-Ublick, G.A., 1313 Kurz, T., 573 Kyselovic, J., 1245 Lacroix, B., 333 Lai, A.Y., 49 Lajoie, C., 1205 Lambert, B., 1021 Lamoureux, L., 93 Landry, M.N., 469 Laplante, M.-A., 21 Lautt, WW, 1145, 1177 Lavoie, N., 1205 Ledeen, R.W., 393 Leduc, C., 847 Leduc, M., 287, 377 Lee, C.-Y., 967 Lee, R.K.Y., 477 Lee, V.H.L., 1223 Leite, M.F., 325 Lelli, S.M., 977 Lemiere, C., 1 Lemos, C., 247 Lessa, L.M.A., 1003 Leung, R.S.T., 61 Li, F., 923 Li, J., 333 Li, L., 1267 Li, Q., 923 Li, R., 1071 Li, S., 531

Li, Y.-J., 163 Limlomwongse, L., 555 Lisi, M., 611 Liu, H., 1267 Liu, X., 227 Liu, Y., 1061 Longo, L.D., 893 Lopes, J.J., 1239 Lu, C., 1061 Lu, S., 1071 Lui, J.C.K., 477 Lui, P.P.Y., 477 Lukas, A., 227 Luo, H., 5, 959 Lye, S.J., 1251 Macaulay, S.L., 655 Maeda, T., 319, 443 MacNaughton, W.K., 1301 Makino, N., 319, 443 Makwana, R., 173 Malnic, G., 1003 Malo, M.E., 1081 Malviya, A.N., 403 Mangat, R., 257 Manju, L., 617 Marceau, F., 1107 Marette, A., 755 Martel, F., 247 Martineau, L.C., 847 Massicotte, G., 1205 Master, R.G., 1163 Mat Jais, A.M., 1291 Maté, S.M., 459 Matowe, W.C., 203 Matthews, S.G., 1251 McGlade, C.J., 667 McGuire, P.M., 1071 McKay, D.M., 1153 McManus, B.M., 77 McMaster, C.R., 29 McNeill, J.H., 823, 1139 McNeill, J.R., 803 McVeigh, L.I., 877 Meddah, B., 847 Mehdi, M.Z., 777 Mengin-Lecreulx, D., 1313 Miller, S.M., 221 Ming, Z, 1145, 1177 Mirnajafi-Zadeh, J., 913 Mizuno, R., 443 Mohammad, S., 647 Monks, D.A., 273 Mooney, R.A., 755 Moore, D., 309 Mooren, O.L., 309 Morales, C., 265 Moran, G.R., 181 Morin, C., 1029 Morin, D., 547 Morissette, G., 1107 Morissette, P., 1285 Morooka, T., 523 Moudr, J., 1275 Mounier, C., 713 Mulay, S., 1097 Murphy, L.J., 887

Musa-Aziz, R., 1003 Nader, M., 431 Nakatsu, K., 893 Napp, A., 1051 Nathanson, M.H., 325 Neves, S.R., 687 Ngan, E.K.S., 477 Node, K., 523 Novakova, Z., 1275 Novelli, E.L.B., 239 O, K., 141 Onay-Besikci, A., 1215 Orvoine, R., 377 Ouyang, J., 935 Oyama, J., 443 Ozgoli, M., 1097 Padovani, C.R., 239 Palleiro, J., 265 Pang, S.C., 625 Panté, N., 367 Parker, J.D., 611 Parsons, M., 173 Parvathy, S.S., 203 Pereira, P., 1239 Peri, K.. 377 Perreault, C., 299, 695 Pierce, G.N., 469 Plandorova, J., 1245 Plin, C., 547 Posner, B.I., 713 Pott, C., 1051 Prentki, M., 847 Prissadova, N.A., 1133 Provost, C., 299, 695 Puntheeranurak, S., 993 Qiu, J., 579 Raden Mohd. Nor, R.N.S., 1291 Rahal, S., 877 Rahmani, M., 77 Raja, M., 181 Ramsamy, T.A., 67 Rathna Devi, G., 1291 Raymer, G.H., 181 Redmer, D.A., 1011 Reimund, J.M., 1191 Reinhardt, P., 221 Renuka Nair, R., 617 Reynolds, L.P., 1011 Rezvani, M.E., 913 Richardt, D., 1185 Richardt, G., 573, 1185 Rihakova, L., 377 Robertson, L.A., 39 Rodrigues, H.G., 239 Rodríguez, M., 265 Rodríguez, M.I., 213 Rodríguez-Colunga, M.J., 213 Rollenhagen, C., 367 Rousseau, D.C., 469 Rousseau, E., 1029 Rutherford, S.A., 423 Rutkevich, L.A., 111 Sabourin, T., 1107 Sader, S., 299, 695

Saini, H.K., 747

Saito, M., 195

Sakoda, S., 319, 443 Sambandam, N., 1215 San Martín de Viale, L.C., 977 Sanderson, H.S., 423 Satoh, I., 195 Satoh, K., 195 Satoh, S., 443 Schütte, F., 573 Schwarz-Herion, K., 499 Schwinger, R.H.G., 1051 Sekirov, I., 823 Selvakumar, P., 707 Sentex, E., 227 Seredycz, L.I, 1145 Sethi, R., 747 Shah, D.I., 835 Shahabi, P., 913 Sharma, R.K., 707 Shen, J., 579 Shen, J., 1267 Sherman, P.M., 1301 Shi, Y., 1267 ShinBori, C., 195 Sicuro, S., 611 Sierra, V., 213 Silha, J.V., 887 Simityan, H., 1223 Simoncic, P.D., 667 Singh, M., 835 Siow, Y.L., 141 Skinn, A.C., 1301 Slegers, G., 1021 Smith, G.N., 953 Somchit, M.N., 1291 Song, D., 1139 Soong, J.M., 893 Spoor, D.C.A., 847 Srinivasan, K., 1259 Srivastava, A.K., 777 Steinberg, G.R., 655 Steinritz, D., 1051 Stoffler, D., 499 Suen, Y.K., 477 Sugano, M., 443 Sulaiman, M.R., 1291 Sun, M., 1251 Sun, S., 579 Sun, Y., 943 Suresh, D., 1259 Suzuki, H., 195 Suzuki, T., 319, 443 Svec, P., 1245 Szarek, W.A., 893 Taha, A., 647 Tang, W.-J., 163 Tang, X., 1061 Tao, J., 531 Tappia, P.S., 257 Teal, D.J., 111 Thatcher, S., 867 Therrien, F., 149 Thierens, H., 1021 Thompson, T.R., 181 Tillement, J.-P., 547 Todd, K.G., 49 Tölg, R., 1185

Tolivia, D., 213 Tomás-Zapico, C., 213 Tremblay, A., 149 Tremblay, M.L., 667, 755 Trudeau, F., 1205 Tse, M.Y., 625 Turgeon, J., 1285 Turiiski, V.I., 1133 Tveita, T., 985 Tyberg, J.V., 943 Tzfira, T., 333 Uetani, N., 755 Vallerand, D., 547 Van de Voorde, J., 1121 Van de Wiele, C., 1021 Vanheel, B., 1121 Varma, D.R., 377, 1097 Vavricka, S.R., 1313 Vazquez-Tello, A., 377 Vega-Naredo, I., 213 Vergnolle, N., 1301 Ves-Losada, A., 459 Vinagre, A.S., 1239 Vlahakis, J., 893 Walinski, H., 77 Wallace, J.L., 1301 Wang, A., 959 Wang, B., 935 Wang, J.-J., 943 Wang, R., 1071 Wang, X., 227, 747 Webber, C.E., 181 Wei, M., 1267 Weiler, H., 257 Werstuck, G.H., 39 White, M.F., 725 Whitman, S.C., 67 Wilhelm, J., 487 Wilkins, R., 221 Willis, A., 589 Wilson, K., 181 Wittnich, C., 859 Wolf, H.K., 121 Wong, B.W., 77 Wright, G.L., 867 Wu, C.-F., 967 Wu, G., 393 Wu, L., 129, 1229 Wu, Y., 531, 923 Xia, Z., 935, 1097 Xu, H., 1267 Yamada, M., 195 Yao, L., 1139 Ye, H., 1061 Yeboah, D., 1251 Yin, H., 579 Yin, X., 579 Yip, J.C.W., 141 Yoshimoto, N., 523 Yu, F., 1071 Yu, F., 1071 Yu, J., 579 Yuen, V.G., 823, 1139 Zakaria, Z.A., 1291 Zamuner, S., 1301 Zarain-Herzberg, A., 509

Zavodna, E., 1275 Zhang, Y., 579, 877 Zhou, C., 531 Zhu, D., 1061 Zhu, T., 287, 377 Ziskoven, C., 1051

Canadian Journal of Physiology and Pharmacology

Contents Volume 84, 2006

Revue canadienne de physiologie et pharmacologie

Sommaire Volume 84, 2006

January / Janvier

FWS			

Catherine Lemiere Diagnosing occupational asthma: insight from induced sputum	
Guang Gao and Honglin Luo The ubiquitin-proteasome pathway in viral infections	4
Manreet K. Chehal and David J. Granville Cytochrome p450 2C (CYP2C) in ischemic heart injury and vascular dysfunction	13

Marc-André Laplante and Jacques de Champlain	The interrelation of the angiotensin and endothelin systems on the	
modulation of NAD(P)H oxidase		21

Alicia G. Howe and Christopher R. McMaster Reg	ulation of phosphatidylcholine homeostasis by Sec14	25
Lindsie A. Robertson, Anna J. Kim, and Geoff H. W.	Verstuck Mechanisms linking diabetes mellitus to the development of	

atherosclerosis: a role for endoplasmic reticulum stress and glycogen synthase kinase-3	39
Aaron Y. Lai and Kathryn G. Todd Microglia in cerebral ischemia: molecular actions and interactions	49

Richard S.T. Leung, John S. Floras, and T. Douglas Bradley	Respiratory modulation of the autonomic nervous system
during Cheyne-Stokes respiration	

Stewart C. Whitman and Tanya A. Ramsamy	Participatory role of natural killer and natural killer T cells in
atherosclerosis: lessons learned from in vivo me	ouse studies

Maziar Rahmani, Brian	W. Wong, Lisa Ang, Caroline C. Cheung, Jon M. Carthy, Hubert Walinski, and
Bruce M. McManus	Versican: signaling to transcriptional control pathways

Michael P. Cz	ubryt, Leon	Espira, Lise	Lamoureux, a	nd Bernard	Abrenica	The role	of sex	in cardiac	function	and
disease										

ARTICLES / ARTICLES

Lori A. Rutkevich, David J. Teal, and John F. Dawson	Expression of actin mutants to study their roles in	
cardiomyopathy		111

Jafna L. Cox, Iqbal R. Bata, Ronald	D. Gregor, David E. Johnstone, and Hermann K.	Wolf Trends in event rate and
case fatality of patients hospitalized	with myocardial infarction between 1984 and 2001	121

REVIEW / SYNTHÈSE

Lingyun Wu	Is methylglyoxal a causative factor for hypertension development?	129
Lingyun wu	is methylgiyoxal a causative factor for hypertension development?	123

ARTICLE /ARTICLE

ARTICLE /ARTICLE	
Kathy K.W. Au-Yeung, Johnny C.W. Yip, Yaw L. Siow, and Karmin O Folic acid inhibits homocysteine-induced	
superoxide anion production and nuclear factor kappa B activation in macrophages	141
Instructions to Authors	I-
Recommendations aux auteurs	R-1

February / Février

REVIEW / SYNTHÈSE

Angelo Tremblay and Fanny Therrien	Physical activity and body functionality: implications for obesity prevention and	
treatment		14

61

67

93

RAPID	COMMUNICATION /	COMMUNICATION	RAPIDE

N. Haddad, R. Howland, G. Baroody, and C. Daher The modulatory effect of leptin on the overall insulin production in ex-vivo normal rat pancreas	157
ARTICLES / ARTICLES	
Wei-Jun Tang, Chang-Ping Hu, Mei-Fang Chen, Pan-Yue Deng, and Yuan-Jian Li endothelial function by reducing the endogenous nitric oxide synthase inhibitor level	163
Abigail Forrest, Rajesh Makwana, and Mike Parsons The short-circuit current of the ileum, but not the colon, is altered in the streptozotocin diabetic rat	173
Miria E. Bartolini, Kyle Wilson, Mohan Raja, Graydon H. Raymer, R. Terry Thompson, Colin E. Webber and Gerald R. Moran Dual X-ray absorptiometry model for characterizing water in the human forearm using multiple frequency bioimpedance analysis	181
Hiroto Suzuki, Motoaki Saito, Yukako Kinoshita, Itaru Satoh, Tomoharu Kono, Chiko ShinBori, Sylakos Anastasios, Masashi Yamada, and Keisuke Satoh Preventive effects of cyclohexenonic long-chain fatty alcohol on diabetic cystopathy in the rat	195
Samuel B. Kombian, Kethireddy V.V. Ananthalakshmi, Subramanian S. Parvathy, and Wandikayi C. Matowe Cholecystokinin-2 receptors couple to cAMP-protein kinase A to depress excitatory synaptic currents in rat nucleus accumbens in vitro	203
Cristina Tomás-Zapico, Óscar Álvarez-García, Verónica Sierra, Ignacio Vega-Naredo, Beatriz Caballero, José Joaquín García, Darío Acuña-Castroviejo, María Isabel Rodríguez, Delio Tolivia, María Josefa Rodríguez-Colunga, and Ana Coto-Montes Oxidative damage in the livers of senescence-accelerated mice: a gender-related response	213
P. Reinhardt, M. Cybulski, S.M. Miller, C. Ferrarotto, R. Wilkins, and Y. Deslauriers Broad-spectrum sunscreens prevent the secretion of proinflammatory cytokines in human keratinocytes exposed to ultraviolet A and phototoxic lomefloxacin	221
Emmanuelle Sentex, Xi Wang, Xueliang Liu, Anton Lukas, and Naranjan S. Dhalla Expression of protein kinase C isoforms in cardiac hypertrophy and heart failure due to volume overload	227
Luciane A. Faine, Hosana G. Rodrigues, Cristiano M. Galhardi, Geovana M.X. Ebaid, Yeda S. Diniz, Carlos R. Padovani, and Ethel L.B. Novelli Effects of olive oil and its minor constituents on serum lipids, oxidative stress, and energy metabolism in cardiac muscle	239
Elisa Keating, Clara Lemos, Isabel Azevedo, and Fátima Martel Comparison of folic acid uptake characteristics by human placental choriocarcinoma cells at acidic and physiological pH	247
Paramjit S. Tappia, Rabban Mangat, Cindy Gabriel, Melissa R. Dent, Nina Aroutiounova, and Hope Weiler Gender differences in the cardiac response to dietary conjugated linoleic acid isomers	257
Germán E. González, Manuel Rodríguez, Martín Donato, Jimena Palleiro, Verónica D'Annunzio, Celina Morales, and Ricardo J. Gelpi Effects of low-calcium reperfusion and adenosine on diastolic behavior during the transitory systolic overshoot of the stunned myocardium in the rabbit	265
BRIEF REPORT / RAPPORT BREF	
Douglas A. Monks, Will Kopachik, S. Marc Breedlove, and Cynthia L. Jordan Anabolic responsiveness of skeletal muscles correlates with androgen receptor protein but not mRNA	273
March-April / Mars-Avril	
The Nucleus: A Cell Within A Cell / Le noyau : une cellule à l'intérieur d'une cellule	
MINIREVIEWS / MINISYNTHÈSES	
Birthe Fahrenkrog The nuclear pore complex, nuclear transport, and apoptosis	279
Fernand Gobeil Jr., Audrey Fortier, Tang Zhu, Michela Bossolasco, Martin Leduc, Michel Grandbois, Nikolaus Heveker, Ghassan Bkaily, Sylvain Chemtob, and David Barbaz G-protein-coupled receptors signalling at the cell nucleus: an emerging paradigm	287
Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, Farah Jules, and Chantale Provost NPY. ET-1, and Ang II nuclear receptors in human endocardial endothelial cells	299
REVIEWS / SYNTHÈSES	
Elizabeth S. Erickson, Olivia L. Mooren, David Moore, Jeffrey R. Krogmeier, and Robert C. Dunn The role of nuclear envelope calcium in modifying nuclear pore complex structure	309
Toyoki Maeda, Saburo Sakoda, Tomokazu Suzuki, and Naoki Makino Somatic DNA recombination in the brain	319

Contents / Sommaire	C-3
Dawidson A. Gomes, M. Fatima Leite, Anton M. Bennett, and Michael H. Nathanson Calcium signaling in the nucleus	325
Benoît Lacroix, Jianxiong Li, Tzvi Tzfira, and Vitaly Citovsky Will you let me use your nucleus? How Agrobacterium gets its T-DNA expressed in the host plant cell	333
José Omar Bustamante Current concepts in nuclear pore electrophysiology	347
Christiane Rollenhagen and Nelly Panté Nuclear import of spliceosomal snRNPs	367
Tang Zhu, Fernand Gobeil Jr., Alejandro Vazquez-Tello, Martin Leduc, Lenka Rihakova, Michela Bossolasco, Ghassan Bkaily, Krishna Peri, Daya R. Varma, Robert Orvoine, and Sylvain Chemtob Intracrine signaling through lipid mediators and their cognate nuclear G-protein-coupled receptors: a paradigm based on PGE ₂ , PAF, and LPA ₁ receptors	377
Robert W. Ledeen and Gusheng Wu GM1 ganglioside: another nuclear lipid that modulates nuclear calcium. GM1 potentiates the nuclear sodium-calcium exchanger	393
Anant N. Malviya and Christian Klein Mechanism regulating nuclear calcium signaling	403
Sheona P. Drummond, Sandra A. Rutherford, Helen S. Sanderson, and Terry D. Allen High resolution analysis of mammalian nuclear structure throughout the cell cycle: implications for nuclear pore complex assembly during interphase and mitosis	423
Ghassan Bkaily, Moni Nader, Levon Avedanian, Sana Choufani, Danielle Jacques, Pedro D'Orléans-Juste, Fernand Gobeil, Sylvain Chemtob, and Johny Al-Khoury G-protein-coupled receptors, channels, and Na ⁺ -H ⁺ exchanger in nuclear membranes of heart, hepatic, vascular endothelial, and smooth muscle cells	431
ARTICLES / ARTICLES	
Toyoki Maeda, Ryuzo Mizuno, Masahiro Sugano, Shinji Satoh, Junichi Oyama, Saburo Sakoda, Tomokazu Suzuki, and Naoki Makino Somatic DNA recombination in a mouse genomic region, BC-1, in brain and non-brain tissue	443
Troy A.A. Harkness Decondensation of Xenopus sperm chromatin using Saccharomyces cerevisiae whole-cell extracts	451
Sabina M. Maté, Rodolfo R. Brenner, and Ana Ves-Losada Endonuclear lipids in liver cells	459
Randolph S. Faustino, Delphine C. Rousseau, Melanie N. Landry, Annette L. Kostenuk, and Grant N. Pierce Effects of mitogen-activated protein kinases on nuclear protein import	469
Rebecca K.Y. Lee, Pauline P.Y. Lui, Erika K.S. Ngan, Julian C.K. Lui, Y.K. Suen, Franky Chan, and S.K. Kong The nuclear tubular invaginations are dynamic structures inside the nucleus of HeLa cells	477
J. Wilhelm, D. Kondratev, A. Christ, and M.F. Gallitelli Stretch induced accumulation of total Ca and Na in cytosol and nucleus: a comparison between cardiac trabeculae and isolated myocytes	487
BRIEF REPORT / RAPPORT BREF	
Daniel Stoffler, Kyrill Schwarz-Herion, Ueli Aebi, and Birthe Fahrenkrog Getting across the nuclear pore complex: new insights into nucleocytoplasmic transport	499
May / Mai	
Made in Canada / Fait au Canada	
REVIEW / SYNTHÈSE	
Angel Zarain-Herzberg Regulation of the sarcoplasmic reticulum Ca ²⁺ -ATPase expression in the hypertrophic and failing heart	509
RAPID COMMUNICATION / COMMUNICATION RAPIDE	
Toru Kato, Teruo Inoue, Toshifumi Morooka, Nobuo Yoshimoto, and Koichi Node Short-term passive smoking causes endothelial dysfunction via oxidative stress in nonsmokers	523
ARTICLES / ARTICLES	
Yuqing Wu, Chenghua Zhou, Jin Tao, and Shengnan Li Montelukast prevents the decrease of interleukin-10 and inhibits NF-κB activation in inflammatory airway of asthmatic guinea pigs	531
Yann Fortin and André De Léan Role of cyclic GMP and calcineurin in homologous and heterologous desensitization of natriuretic peptide receptor-A	539
Marjolaine Duval, Catherine Plin, Aziz Elimadi, Diane Vallerand, Jean-Paul Tillement, Didier Morin, and Pierre S. Haddad Implication of mitochondrial dysfunction and cell death in cold preservation – warm reperfusion-induced hepatocyte injury	547
Narattaphol Charoenphandhu, Liangchai Limlomwongse, and Nateetip Krishnamra Prolactin directly enhanced Na ⁺ /K ⁺ - and Ca ²⁺ - ATPase activities in the duodenum of female rats	555

J. Boudreau and L. Hoffman-Goetz Long-duration freewheel running and submandibular lymphocyte response to forced exercise in older mice	565
BRIEF REPORT / RAPPORT BREF	
Frank Schütte, Christof Burgdorf, Gert Richardt, and Thomas Kurz Adenosine A ₁ receptor-mediated inhibition of myocardial norepinephrine release involves neither phospholipase C nor protein kinase C but does involve adenylyl cyclase	573
June / Juin	
ARTICLES / ARTICLES	
Junxian Yu, Yindi Zhang, Shi Sun, Jianping Shen, Jun Qiu, Xiaoxing Yin, Honglin Yin, and Shaojun Jiang Inhibitory effects of astragaloside IV on diabetic peripheral neuropathy in rats	579
Geoffrey Boddy, A. Willis, G. Galante, and E.E. Daniel Sodium-, chloride-, and mibefradil-sensitive calcium channels in intestinal pacing in wild-type and W/W mice	589
Deborah L. Enns and Angelo N. Belcastro Early activation and redistribution of calpain activity in skeletal muscle during hindlimb unweighting and reweighting	601
Saverio Dragoni, Giuseppe Di Stolfo, Silvia Sicuro, Monica Lisi, John D. Parker, Sandro Forconi, and Tommaso Gori Postconditioning fails to prevent radial artery endothelial dysfunction induced by ischemia and reperfusion: evidence from a human in vivo study	611
L. Manju and R. Renuka Nair Magnesium deficiency augments myocardial response to reactive oxygen species	617
Ekaterini Angelis, M. Yat Tse, Michael A. Adams, and Stephen C. Pang Effect of AT ₂ blockade on cardiac hypertrophy as induced by high dietary salt in the proatrial natriuretic peptide (ANP) gene-disrupted mouse	625
Shandra A. Doran and Jeffrey I. Goldberg Roles of Ca ²⁺ and protein kinase C in the excitatory response to serotonin in embryonic molluscan ciliary cells	635
Sameer Mohammad, Asia Taha, Kamal Akhtar, R.N.K. Bamezai, and Najma Zaheer Baquer In vivo effect of Trigonella foenum graecum on the expression of pyruvate kinase, phosphoenolpyruvate carboxykinase, and distribution of glucose transporter (GLUT4) in alloxan-diabetic rats	647
July / Juillet	
Second Messengers and Phosphoproteins—12th International Conference / Les seconds messagers et les phosphoprotéines—12e Congrès international	
REVIEWS / SYNTHÈSES	
REVIEWS / SYNTHÈSES Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad	655
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the	655 667
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad	
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling	667
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the	667 677
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY	667 677 687
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY and NPY receptors in the regulation of the endocardial endothelium and heart function Ponniah Selvakumar and Rajendra K. Sharma Phosphorylation and dephosphorylation of human myristoyltransferase	667 677 687 695
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY and NPY receptors in the regulation of the endocardial endothelium and heart function Ponniah Selvakumar and Rajendra K. Sharma Phosphorylation and dephosphorylation of human myristoyltransferase type 1	667 677 687 695 707
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY and NPY receptors in the regulation of the endocardial endothelium and heart function Ponniah Selvakumar and Rajendra K. Sharma Phosphorylation and dephosphorylation of human myristoyltransferase type 1 Catherine Mounier and Barry I. Posner Transcriptional regulation by insulin: from the receptor to the gene	667 677 687 695 707 713
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY and NPY receptors in the regulation of the endocardial endothelium and heart function Ponniah Selvakumar and Rajendra K. Sharma Phosphorylation and dephosphorylation of human myristoyltransferase type 1 Catherine Mounier and Barry I. Posner Transcriptional regulation by insulin: from the receptor to the gene Morris F. White Regulating insulin signaling and β-cell function through IRS proteins	667 677 687 695 707 713
Gregory R. Steinberg, S. Lance Macaulay, Mark A Febbraio, and Bruce E. Kemp AMP-activated protein kinase — the fat controller of the energy railroad Paul D. Simoncic, C. Jane McGlade, and Michel L. Tremblay PTP1B and TC-PTP: novel roles in immune-cell signaling D.A. Barrio and S.B. Etcheverry Vanadium and bone development: putative signaling pathways John Cijiang He, Susana R. Neves, J. Dedrick Jordan, and Ravi Iyengar Role of the Gofi signaling network in the regulation of neurite outgrowth Danielle Jacques, Sawsan Sader, Claudine Perreault, Dima Abdel-Samad, and Chantale Provost Roles of nuclear NPY and NPY receptors in the regulation of the endocardial endothelium and heart function Ponniah Selvakumar and Rajendra K. Sharma Phosphorylation and dephosphorylation of human myristoyltransferase type 1 Catherine Mounier and Barry I. Posner Transcriptional regulation by insulin: from the receptor to the gene Morris F. White Regulating insulin signaling and β-cell function through IRS proteins ARTICLES / ARTICLES Chang Ge, Raul Garcia, and Madhu B. Anand-Srivastava Enhanced expression of Giα protein and adenylyl cyclase	667 677 687 695 707 713 725

Contents / Sommaire	C-5
Daniel A. Barrio, Elizabeth R. Cattáneo, María C. Apezteguía, and Susana B. Etcheverry Vanadyl(IV) complexes with saccharides. Bioactivity in osteoblast-like cells in culture	765
Zeina M. Azar, Mohamad Z. Mehdi, and Ashok K. Srivastava Activation of insulin-like growth factor type-1 receptor is required for H ₂ O ₂ -induced PKB phosphorylation in vascular smooth muscle cells	s 777
Johny Al-Khoury, Ghassan Bkaily, Mirna Chahine, Danielle Jacques, and Pedro D'Orléans-Juste ET _B receptor dependent alteration in aortic responses to ET-1 in the cardiomyopathic hamster	787
August-September /Août-Septembre	
REVIEWS / SYNTHÈSES	
E. Herbert and M. Chahine Clinical aspects and physiopathology of Brugada syndrome: review of current concepts	795
J. Robert McNeill and Tannis M. Jurgens A systematic review of mechanisms by which natural products of plant origin evoke vasodilatation	803
ARTICLES / ARTICLES	
Emi Arikawa, Claudia Cheung, Inna Sekirov, Mary L. Battell, Violet G. Yuen, and John H. McNeill Effects of endothelin receptor blockade on hypervasoreactivity in streptozotocin-diabetic rats: vessel-specific involvement of thromboxane A ₂	823
Dhvanit I. Shah and Manjeet Singh Effect of fasudil on macrovascular disorder-induced endothelial dysfunction	835
Danielle C.A. Spoor, Louis C. Martineau, Charles Leduc, Ali Benhaddou-Andaloussi, Bouchra Meddah, Cory Harris, Andrew Burt, Marie-Hélène Fraser, Jason Coonishish, Erik Joly, Alain Cuerrier, Steffany A.L. Bennett, Timothy Jo Marc Prentki, John T. Arnason, and Pierre S. Haddad Selected plant species from the Cree pharmacopoeia of northern Quebec possess anti-diabetic potential	ohns,
Carin Wittnich, Michael P. Belanger, and Karim Bandali Are there ventricle-specific postnatal maturational differences in myocardial β-adrenoceptors?	859
D. Brown, A. Dykes, J. Black, S. Thatcher, M.E. Fultz, and G.L. Wright Differential actin isoform reorganization in the contracting A7r5 cell	
Sherine Rahal, Lyne I. McVeigh, Yahua Zhang, Youfei Guan, Matthew D. Breyer, and Chris R.J. Kennedy severity of renal impairment in nephritic mice lacking the EP ₁ receptor	
Yaoting Gui, Zhiming Cai, Josef V. Silha, and Liam J. Murphy Variations in parametrial white adipose tissue mass during the mouse estrous cycle: relationship with the expression of peroxisome proliferator-activated receptor-γ and retinoi acid receptor-α	ic 887
Robert T. Kinobe, Jason Z. Vlahakis, Jonathan M. Soong, Walter A. Szarek, James F. Brien, Lawrence D. Longo, and Kanji Nakatsu Heme oxygenase activity in fetal and adult sheep is not altered by acclimatization to high altitude hypoxia	893
Sarah J. Canyon and Geoffrey P. Dobson The effect of an adenosine and lidocaine intravenous infusion on myocardial high-energy phosphates and pH during regional ischemia in the rat model in vivo	903
Parviz Shahabi, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Narges Hoseinmardi, Mohammad Ebrahim Rezvani, and Ali Eslami-far Amygdala adenosine A ₁ receptors have no anticonvulsant effect on piriform cortex-kindled seizures in ra	
Fang Li, Xiao-Qing Dai, Qiang Li, Yuliang Wu, and Xing-Zhen Chen Inhibition of polycystin-L channel by the Chines herb Sparganum stoloniferum BuchHam.	923
Tom L. Broderick Whole-body heat shock protects the ischemic rat heart by stimulating mitochondria respiration	929
Baohua Wang, Jingping Ouyang, and Zhengyuan Xia Effects of triiodo-thyronine on angiotensin-induced cardiomyocyte hypertrophy: reversal of increased β-myosin heavy chain gene expression	935
Yichun Sun, Jiun-Jr Wang, Israel Belenkie, and John V. Tyberg Relationship between right ventricular wave speed and elastance in dogs	943
BRIEF REPORT / RAPPORT BREF	
Shannon A. Bainbridge and Graeme N. Smith The effect of nicotine on in vitro placental perfusion pressure	953
October / Octobre	
ARTICLES / ARTICLES	
Huiying Luo and Aiqin Wang Induction of apoptosis in K562 cells by jolkinolide B	959
Yi-Chao Hsu, Yung-Tsung Chiu, Chang-Yin Lee, Ching-Fen Wu, and Yi-Tsau Huang Anti-fibrotic effects of tetrandrine on bile-duct ligated rats	967

María Eugenia Altuna, Sandra Marcela Lelli, Leonor C. San Martín de Viale, and María Cristina Damasco Effect of stress on hepatic 11β-hydroxysteroid dehydrogenase activity and its influence on carbohydrate metabolism	977
T.V. Kondratiev and T. Tveita Effects of sympathetic stimulation during cooling on hypothermic as well as posthypothermic hemodynamic function	985
Supaporn Puntheeranurak, Narattaphol Charoenphandhu, and Nateetip Krishnamra Enhanced trabecular-bone calcium deposition in female rats with a high physiological dose of prolactin diminishes after ovariectomy	993
José Benedito Oliveira Amorim, Raif Musa-Aziz, Lucilia M.A. Lessa, Gerhard Malnic, and Manassés Claudino Fonteles Effect of uroguanylin on potassium and bicarbonate transport in rat renal tubules	1003
Ewa Borowczyk, Mary Lynn Johnson, Jerzy J. Bilski, Pawel P. Borowicz, Dale A. Redmer, Lawrence P. Reynolds, and Anna T. Grazul-Bilska Expression of gap junctional connexins 26, 32, and 43 mRNA in ovarian preovulatory follicles and corpora lutea in sheep	1011
Bieke Lambert, Leo De Ridder, Filip De Vos, Guido Slegers, Virginie de Gelder, Christophe Van de Wiele, and Hubert Thierens Assessment of supra-additive effects of cytotoxic drugs and low dose rate irradiation in an in vitro model for hepatocellular carcinoma	1021
Caroline Morin and Eric Rousseau Enhanced Ca^{2+} sensitivity in hyperresponsive cultured bronchi is mediated by TNF α and NF- κ B	1029
Alex C. Chin, Andrew N. Flynn, Jason P. Fedwick, and Andre G. Buret The role of caspase-3 in lipopolysaccharide-mediated disruption of intestinal epithelial tight junctions	1043
Klara Brixius, Wilhelm Bloch, Christoph Ziskoven, Birgit Böck, Andreas Napp, Christian Pott, Dirk Steinritz, Maria Jiminez, Klaus Addicks, Jean-Paul Giacobino, and Robert H.G. Schwinger β ₃ -Adrenergic eNOS stimulation in left ventricular murine myocardium	1051
Changlian Lu, Ye Liu, Xiaobo Tang, Hong Ye, and Daling Zhu Role of 15-hydroxyeicosatetraenoic acid in phosphorylation of ERK1/2 and caldesmon in pulmonary arterial smooth muscle cells	1061
Farong Yu, Shunqing Lu, Fahong Yu, Shutao Feng, Peter M. McGuire, Rende Li, and Rui Wang Protective effects of polysaccharide from Euphorbia kansui (Euphorbiaceae) on the swimming exercise-induced oxidative stress in mice	1071
November / Novembre	
REVIEW / SYNTHÈSE	
Mackenzie E. Malo and Larry Fliegel Physiological role and regulation of the Na ⁺ /H ⁺ exchanger	1081
ARTICLES / ARTICLES	
Daya R. Varma, Zhicheng Xia, Mehran Ozgoli, Sylvain Chemtob, and Shree Mulay Field stimulation-induced tetrodotoxin-resistant vasorelaxation is mediated by sodium hypochlorite	1097
Guillaume Morissette, Thierry Sabourin, Albert Adam, and François Marceau Inhibition of human and rabbit arterial smooth muscle cell migration mediated by the kinin B ₁ receptor: role of receptor density and released mediators	1107
Joke Breyne, Johan Van de Voorde, and Bert Vanheel Characterization of the vasorelaxation to methanandamide in rat gastric arteries	1121
Atanas D. Krustev, Mariana D. Argirova, Damianka P. Getova, Valentin I. Turiiski, and Natalia A. Prissadova Calcium-independent tacrine-induced relaxation of rat gastric corpus smooth muscles	1133
Dongzhe Song, Violet G. Yuen, Linfu Yao, and John H. McNeill Chronic estrogen treatment reduces vasoconstrictor responses in insulin resistant rats	1139
Larissa I. Seredycz, Zhi Ming, and W. Wayne Lautt Acute hemorrhage causes hepatic insulin sensitizing substance (HISS)-dependent insulin resistance	1145
Christina L. Hirota and Derek M. McKay M ₃ muscarinic receptor-deficient mice retain bethanechol-mediated intestinal ion transport and are more sensitive to colitis	1153
A. Joel Greco, Ryan G. Master, Alex Fokin Jr., Syed R. Baber, and Philip J. Kadowitz Angiotensin-(1-7) potentiates responses to bradykinin but does not change responses to angiotensin I	1163
Zhi Ming and W. Wayne Lautt Intrahepatic adenosine-mediated activation of hepatorenal reflex is via A1 receptors in rats	1177
Doreen Richardt, Andreas Dendorfer, Ralph Tölg, Peter Dominiak, and Gert Richardt Inhibition of nonexocytotic norepinephrine release by desipramine reduces myocardial infarction size	1185
Abdo Jurjus, Kassem Barada, Naim Khoury, Mona Diab Assef, Charlotte Jourdainne Foltzer, Jean Marie Reimund, and Michele Kedinger Morphological and biochemical alterations in the jejunum following iodoacetamide-induced colitis in	
rats	1191

Contents / Sommaire	C-7
Claude Lajoie, Louise Béliveau, François Trudeau, Nathalie Lavoie, Guy Massicotte, Sylvain Gagnon, and Angelino Calderone The rapid onset of hyperglycaemia in ZDF rats was associated with a widespread alteration of metabolic proteins implicated in glucose metabolism in the heart	1205
Arzu Onay-Besikci and Nandakumar Sambandam Malonyl CoA control of fatty acid oxidation in the newborn heart in response to increased fatty acid supply	1215
BRIEF REPORT / RAPPORT BREF	
Hovhannes J. Gukasyan, Vincent H.L. Lee, Hagop Simityan, Kwang-Jin Kim, and Ram Kannan Thermodynamic stoichiometry of Na ⁺ -coupled glutathione transport	1223
December / Décembre	
REVIEW / SYNTHÈSE	
Tuanjie Chang and Lingyun Wu Methylglyoxal, oxidative stress, and hypertension	1229
ARTICLES / ARTICLES	
Silvana Soriano Frassetto, Ângela Della Santa Rubio, Janaína Jardim Lopes, Patrícia Pereira, Clarice Brum, Márcia Khazzaka, and Anapaula Sommer Vinagre Locomotor and peripheral effects of sibutramine modulated by 5- HT ₂ receptors	1239
P. Krenek, J. Klimas, M. Kroslakova, A. Gazova, J. Plandorova, D. Kucerova, A. Fecenkova, P. Svec, and J. Kyselovic Increased expression of endothelial nitric oxide synthase and caveolin-1 in the aorta of rats with isoproterenol-induced cardiac hypertrophy	124
D. Yeboah, M. Sun, J. Kingdom, D. Baczyk, S.J. Lye, S.G. Matthews, and W. Gibb Expression of breast cancer resistance protein (BCRP/ABCG2) in human placenta throughout gestation and at term before and after labor	125
D. Suresh and K. Srinivasan system in vivo and in vitro Influence of curcumin, capsaicin, and piperine on the rat liver drug-metabolizing enzyme	1259
Huiqin Xu, Jian Shen, Hong Liu, Yan Shi, Lihua Li, and Min Wei Morroniside and loganin extracted from Cornus officinalis have protective effects on rat mesangial cell proliferation exposed to advanced glycation end products by preventing oxidative stress	126
Eva Zavodna, Natasa Honzikova, Hana Hrstkova, Zuzana Novakova, Jiri Moudr, Miroslav Jira, and Bohumil Fiser Can we detect the development of baroreflex sensitivity in humans between 11 and 20 years of age?	127
Pierre Morissette, Raymond Hreiche, and Jacques Turgeon Modulatory role of verapamil treatment on the cardiac electrophysiological effects of cisapride	128
Z.A. Zakaria, R.N.S. Raden Mohd. Nor, G. Hanan Kumar, Z.D.F. Abdul Ghani, M.R. Sulaiman, G. Rathna Devi, A.M. Mat Jais, M.N. Somchit, and C.A. Fatimah Antinociceptive, anti-inflammatory and antipyretic properties of	

Andrew C. Skinn, Nathalie Vergnolle, Stella R. Zamuner, John L. Wallace, Laurie Cellars, Wallace K. MacNaughton, and Philip M. Sherman Citrobacter rodentium infection causes iNOS-independent intestinal epithelial dysfunction in mice

Manfred G. Ismair, Stephan R. Vavricka, Gerd A. Kullak-Ublick, Michael Fried, Dominique Mengin-Lecreulx, and Stephen E. Girardin hPepT1 selectively transports muramyl dipeptide but not Nod1-activating muramyl peptides

Melastoma malabathricum leaves aqueous extract in experimental animals

Author Index for Volume 84 / Index des auteurs pour le volume 84

Contents for Volume 84 / Sommaire pour le volume 84

BRIEF REPORT / RAPPORT BREF

1291

1301

1313

AI-1

C-1